

**SUMTER COUNTY BOARD OF COMMISSIONERS**  
**EXECUTIVE SUMMARY**

**SUBJECT:** CR747 Improvements, PDE, Design and Construction.

**REQUESTED ACTION:** Staff recommends approval

☐ Work Session (Report Only)

**DATE OF MEETING:** 9/28/2010

☒ Regular Meeting

☐ Special Meeting

**CONTRACT:** ☐ N/A

Vendor/Entity: \_\_\_\_\_

Effective Date: \_\_\_\_\_

Termination Date: \_\_\_\_\_

Managing Division / Dept: \_\_\_\_\_

Public Works Division/Road and Bridge

**BUDGET IMPACT:** \$700,000

☒ Annual

**FUNDING SOURCE:**

CTT

☒ Capital

**EXPENDITURE ACCOUNT:**

103-340-541-xxxx

☐ N/A

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**HISTORY/FACTS/ISSUES:**

CR 747 From C-48E to CR-478 has had 25 accidents in a 31 month period and is part of a bus route for South Sumter Middle School. The existing Right-of-Way varies from 33' to 50' and the pavement width is 18'. The posted speed limit is currently 40 mph.

CR 747 accident data, non-conforming recovery areas (ie trees, fence, power poles), limited Right-of-Way, existing geometric conditions, and limited sight distance all dictate additional safety measures should be developed by a PDE study and then implemented. Based on the study determination, safety recommendations as part of a road design can be developed to meet current County roadway standards.

A preliminary assessment of permanent upgrades to CR 747 would include purchasing Right-of-Way on both sides to achieve a 50' minimum right-way. The existing 18' pavement width would be widened to 22' (2) 11' foot lanes, placement of 2' paved shoulders, 4' unpaved road shoulders and drainage improvements necessary to obtain a SWFWMD permit. Construction costs to reconstruct CR747 are estimated at \$475,000 with Engineering PD&E/design at \$65,000. Right-of-Way acquisition estimate is based on land values at \$12,000 per acre without damages, for a cost of \$90,000. Fence replacement is valued at \$2.42 per foot times 24,000lf for a cost of \$58,000.

CR 747 Reconstruction total costs are estimated for budget consideration at \$688,000.

As an interim step to improve the safety conditions along CR747, Public Works Department has identified several items that could be implemented prior to the PDE, for approximately \$12,000:

- 1) Add traffic advisory signs (ie Road Narrows)
  - 2) Add Object Markers at trees and other Obstructions within clear zone recovery area.
  - 3) Restripe the roadway and add Edge lines
  - 4) Remove selected trees within Clear Zone Recovery Area.
  - 5) CR 747/SR722 cross intersection. Replace existing stop signs, Conduct warrant study to evaluate need for stop signs on CR747 north and south approaches.
  - 6) CR 747/CR478 intersection trim bushes on private property at NW corner to improve sight distance.
  - 7) CR747/CR730 tee intersection. Has limited sight distance due to fence & high brush at NE corner. Recommend contact owner to allow County to remove. Purchase additional R/W to provide for intersection sight distance in accordance with FDOT standards.
  - 8) CR747/CR 730 cross intersection; conduct stop sign warrant study to determine need for stop
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signs along CR747 at this intersection.

Recommend BOCC approval to start interim measures listed above and approval to initiate a PD&E study to provide for a detailed analysis of accident information, delineate R/W required to improve CR 747 to meet current County roadway standards.

The interim measures are not sufficient in and of themselves, to eliminate all the deficiencies. Public Works will apply for FDOT Safety Funding for this project, but those funds are limited and no guarantee can be made that it would be approved.

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